

RESUME & QUALIFICATIONS

EDWARD RITCHIE

BACKGROUND

I bring over 50 years of Corporate Executive, Project Management and Engineering experience to serve your Project. I have a passion and diverse experience in design-build, claims, arbitration and dispute resolution, cost estimating and quality control engineering. My experience extends over all facets of heavy construction including tunnels, bridges, heavy rail, highway, transit, port facilities, locks and dams, levee and revetments and airport construction.

As Corporate Director, Vice President and Division Operations Manager for a major National and International construction corporation, I was responsible for overall management and implementation of plans and specifications and geotechnical data and constructions from fruition to completion, of many high-profile projects both domestic and international, including contractor furnished funding. Full knowledge and understanding of contract terms provided me with the resources necessary to resolve disputes.

As Chief Estimator, I reviewed and understood the complete contract documents, made interpretations and prepared cost estimates, bid submittals, construction schedules, means and methods, claims review and project trending. I have extensive experience working in a collaborative manner with owners and contractors to pro-actively manage project construction, budget and forecast to maintain schedule and mitigate cost overruns and claims.

INDUSTRY ACCOMPLISHMENTS

Tunnel experience includes conventional drive and concrete-lined tunnels with very difficult ground conditions, earth pressure balance, tunnels under air pressure, tunnel boring machine (TBM) and New Austrian Tunneling Method (NATM). Some of the Projects include:

- Large highway tunnel project in Turkey (NATM)
- Chicago TARP Program (TBM)
- San Bernardino & Glendora Water tunnels (Conventional)
- Angeles Tunnel (conventional top heading & bench)
- Intrenchment Creek (TBM)
- WMATA tunnels and underground stations (Conventional)
- Perris Dam Inlet / Outlet (Conventional)
- Mojave Forks Diversion (Conventional)

Dam experience includes earth fill and rock fill embankments, concrete gravity and thin arch types and RCC construction and adjacent powerhouse construction. Some of the Projects include:

- American River Complex
- New Melones Project
- American Falls Complex
- Bad Creek Dam
- Perris Dam
- New Melones Project
- American Falls Complex

Levee and Revetments field design and engineering of several levees and revetments for the Corp of Engineers in the Los Angeles area for flood control. Projects include the

- San Sevine Channel,
- Lytle Creek,
- Department of Water Resources California Aqueduct,
- Marin County Flood Control,
- Tom Bigby Waterway,
- Oman Levee system

Bridge experience includes conventional box girder, AASHTO Girder, cable-stayed, cast-in-place segmental and precast segmental type structures. Some of the Projects include:

- Turkey Motorway Project
- Mary Avenue Cable-stayed Pedestrian Bridge
- Sunshine Skyway Bridge
- Many structures on I 5, I-10, Route 66
- Charleston Bridge
- West wall re-design of the South Anchorage House, Golden Gate Bridge Seismic Retrofit Phase II

Transit experience include cut & cover and at grade transit projects and airports. Some of the Projects include:

- Deputy Project Manager, Bay Area Rapid Transit (BART) San Francisco Airport Extension Design-Build, San Francisco, CA
- Santa Clara Valley Transportation Authority, Civil Line Segment PE, Santa Clara County.
- CalTrain upgrade Program
- San Francisco MUNI Tunnel Project to China Town
- WMATA Washington Metro Tunnels and Stations
- Stapleton airport runway expansion
- Diego Garcia complex and Runway
- Oman Air Base
- Design Build Experience
- Interstate I-90 Project in Southern California (\$ 650 million)
- Turkish Motorway Project.(\$1.2 billion)
- Bay Area Rapid Transit (BART) San Francisco Airport Extension Design-Build, San Francisco, CA. (\$650 million)
- Santa Clara Valley Transportation Authority Civil Line Segment PE, Santa Clara County (\$ 1.9 billion).

Disputes Resolution Experience

- City and County of San Francisco pump station facility. DRB discussions between the Agency and Contractor and were able to facilitate and resolve issues without a DRB formal hearing.
- Served as an expert witness in several claims proceedings.
- Served as advisor to legal council to adjudicate or arbitrate a solution to pending litigation.
- Served on Value Engineering review panels for a variety of transportation projects during the design phase of the projects and made an impact on the final design.

Design Build Experience

- Project / Construction / Design Manager for several Projects including highway, light and heavy rail projects.
- Provided design and Constructability reviews for Projects.
- Provided QA and QC reviews for design phase of Projects including drawing review, specification schedule.

EDUCATION:

BS, Civil Engineering, Heald Engineering College
MBA, University of Hawaii

AFFILIATIONS:

USCOLD
American Arbitration Association
Disputes Review Board
American Society of Military Engrs.

CONTACT INFORMATION

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